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Mathematical Modelling of Electric Energy Potential of Piedra Bolivar Campus of Cartagena University,Obtained from Solar Radiation

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Abstract: Solar radiation incident on the Cartagena city was studied in this research, as it can be harnessed to generate electricity from solar panels, contributing to reduce electricity demand.It was developed a mathematical model to determine the electric energy potential obtained from solar radiation incident on the Cartagena city. It was used the Angstrom -Prescott equation to predict radiation daily on the Piedra Bolivar Campus of university of Cartagena during a year.
Keywords: Solar Radiation, Solar Panels, Electric Potential, Solar Mathematical Modelling.

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